

FIG. 1A

(WIDE-ANGLE END)      II  
                        [G1 G2 G3 G4]

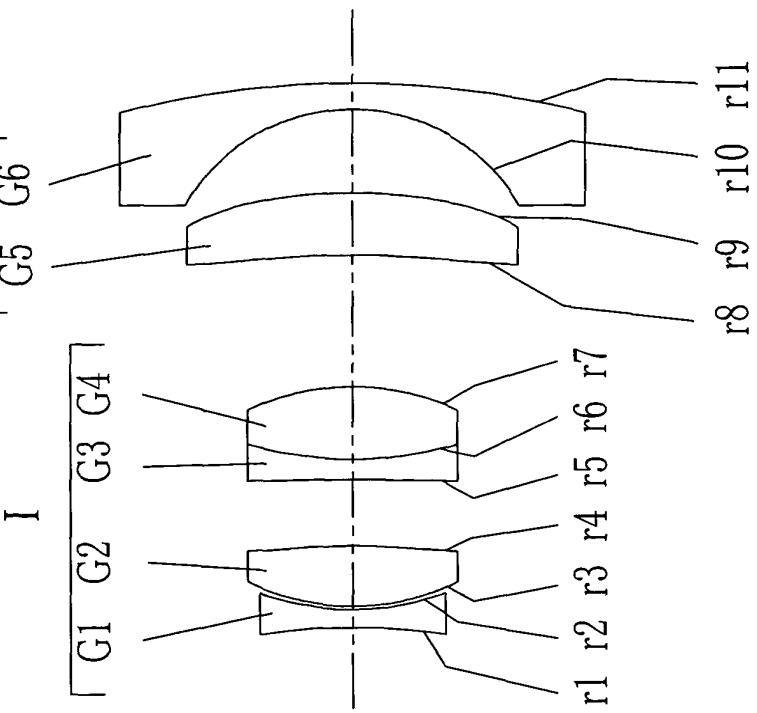


FIG. 1B

(TELEPHOTO END)  
                        [G5 G6]

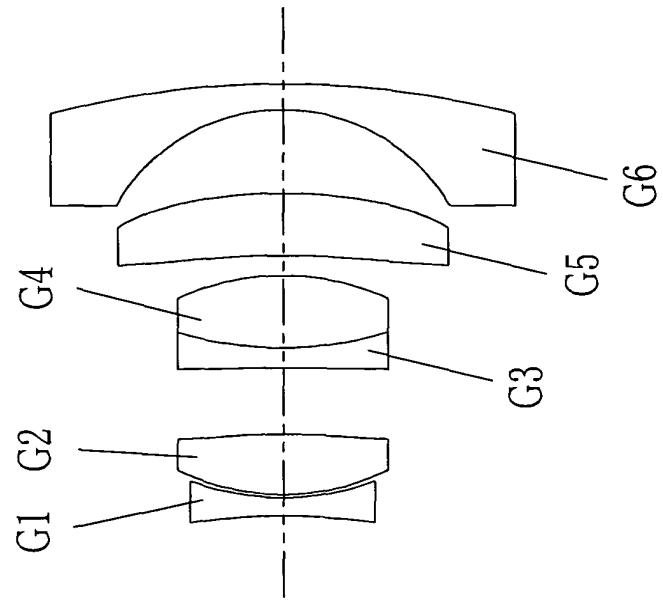


FIG. 2A

WIDE-ANGLE END

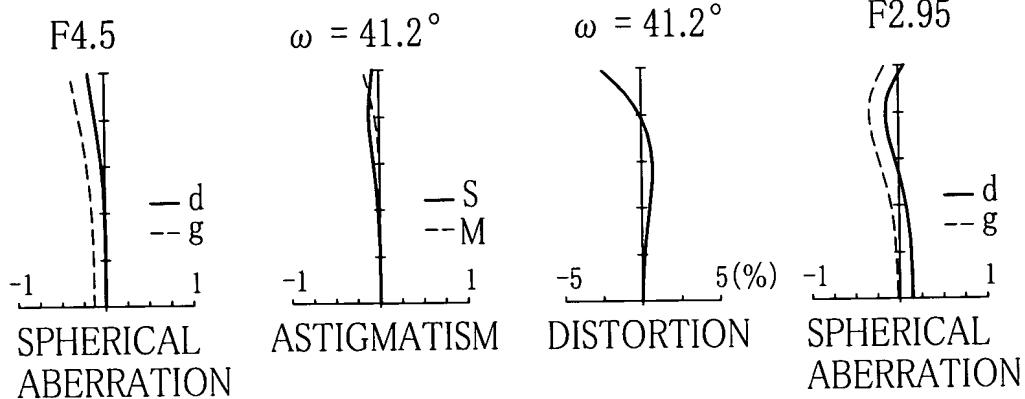


FIG. 2B

MIDDLE

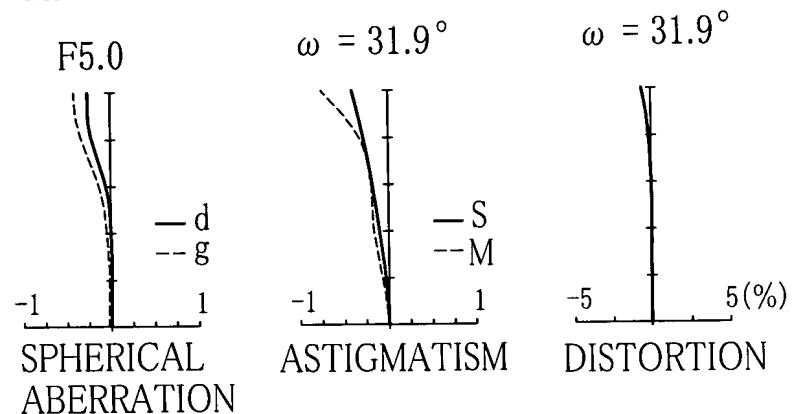


FIG. 2C

TELEPHOTO END

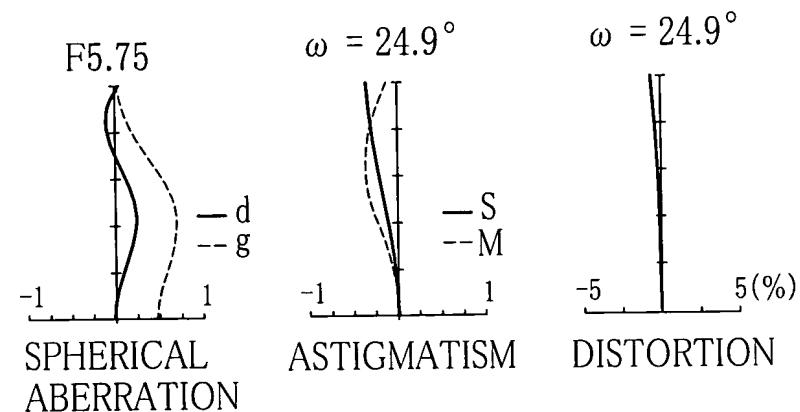
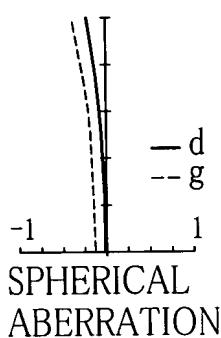


FIG. 3A

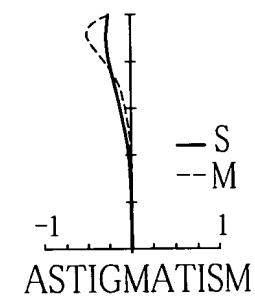
WIDE-ANGLE END

F5.6



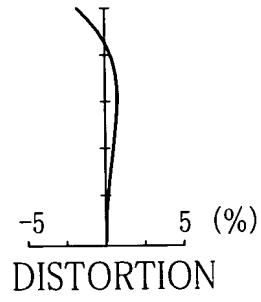
SPHERICAL  
ABERRATION

$\omega = 41.2^\circ$



ASTIGMATISM

$\omega = 41.2^\circ$

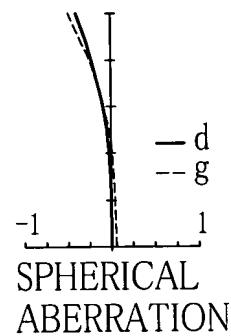


DISTORTION

FIG. 3B

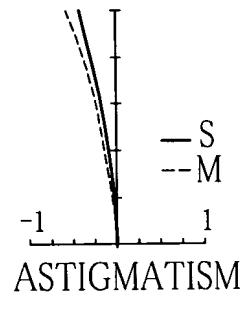
MIDDLE

F6.3



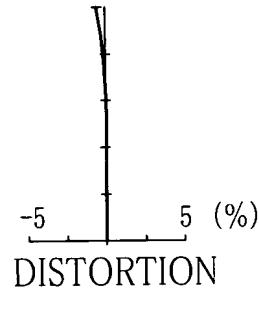
SPHERICAL  
ABERRATION

$\omega = 31.9^\circ$



ASTIGMATISM

$\omega = 31.9^\circ$

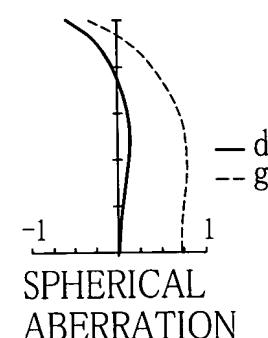


DISTORTION

FIG. 3C

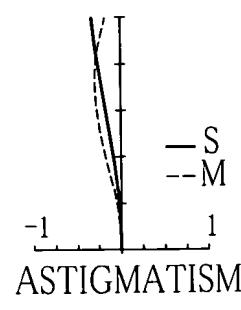
TELEPHOTO END

F7.8



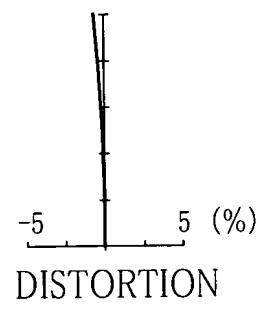
SPHERICAL  
ABERRATION

$\omega = 24.3^\circ$



ASTIGMATISM

$\omega = 24.3^\circ$

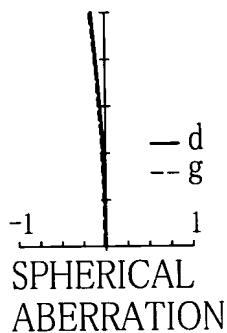


DISTORTION

FIG. 4A

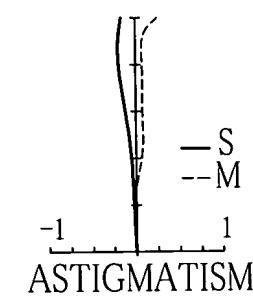
WIDE-ANGLE END

F5.6



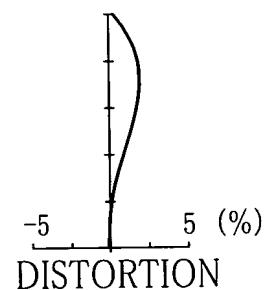
SPHERICAL  
ABERRATION

$\omega = 41.2^\circ$



ASTIGMATISM

$\omega = 41.2^\circ$

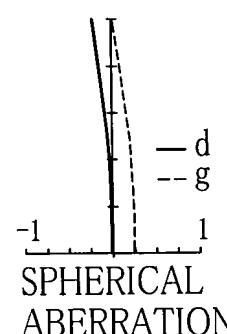


DISTORTION

FIG. 4B

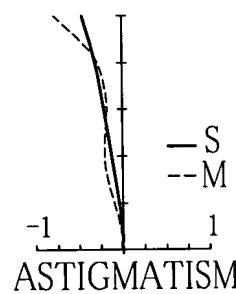
MIDDLE

F6.3



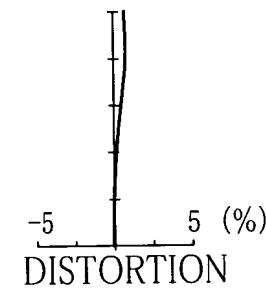
SPHERICAL  
ABERRATION

$\omega = 31.9^\circ$



ASTIGMATISM

$\omega = 31.9^\circ$

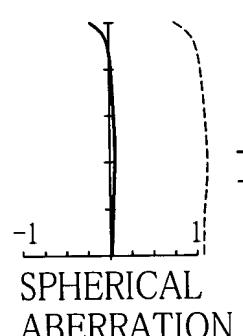


DISTORTION

FIG. 4C

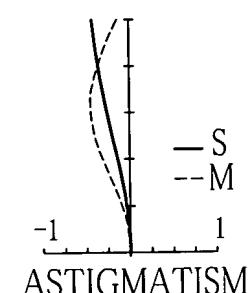
TELEPHOTO END

F7.8



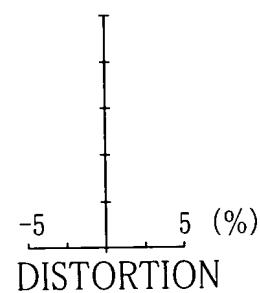
SPHERICAL  
ABERRATION

$\omega = 24.3^\circ$



ASTIGMATISM

$\omega = 24.3^\circ$

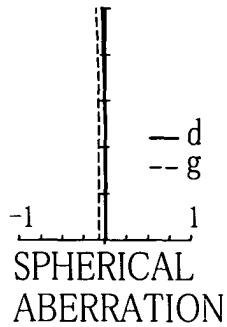


DISTORTION

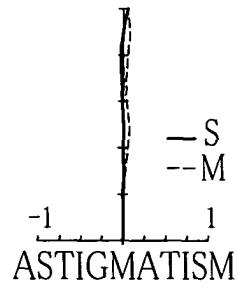
FIG. 5A

WIDE-ANGLE END

F5.6



$\omega = 41.2^\circ$



$\omega = 41.2^\circ$

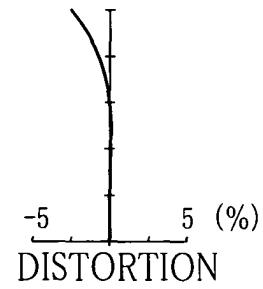
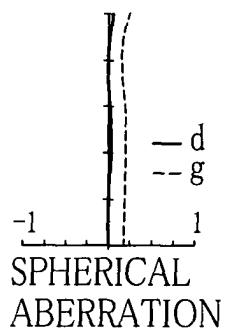


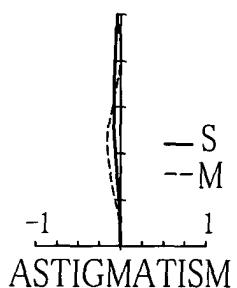
FIG. 5B

MIDDLE

F6.0



$\omega = 31.9^\circ$



$\omega = 31.9^\circ$

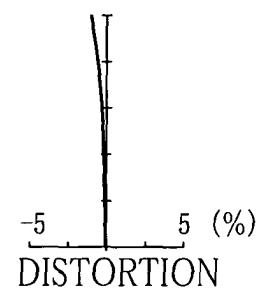
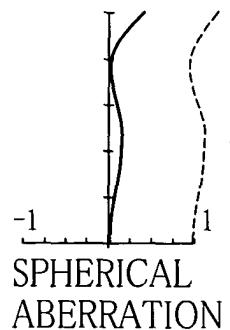


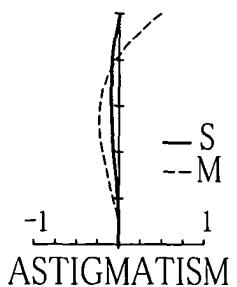
FIG. 5C

TELEPHOTO END

F6.8



$\omega = 24.3^\circ$



$\omega = 24.3^\circ$

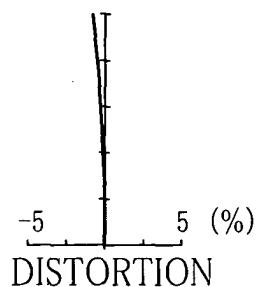


FIG. 6A

WIDE-ANGLE END

F5.6

$\omega = 41.2^\circ$

$\omega = 41.2^\circ$

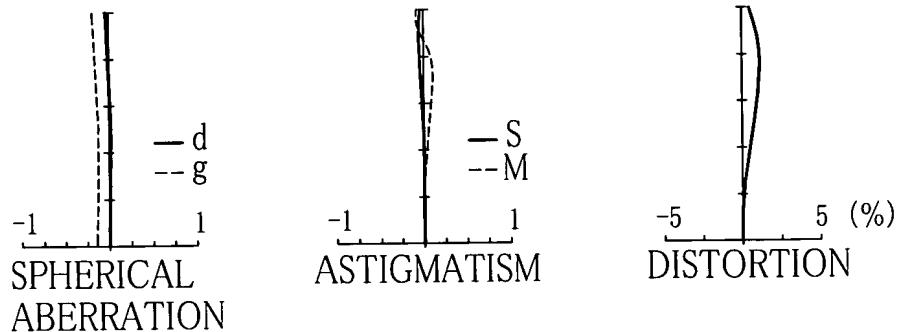


FIG. 6B

MIDDLE

F6.0

$\omega = 31.9^\circ$

$\omega = 31.9^\circ$

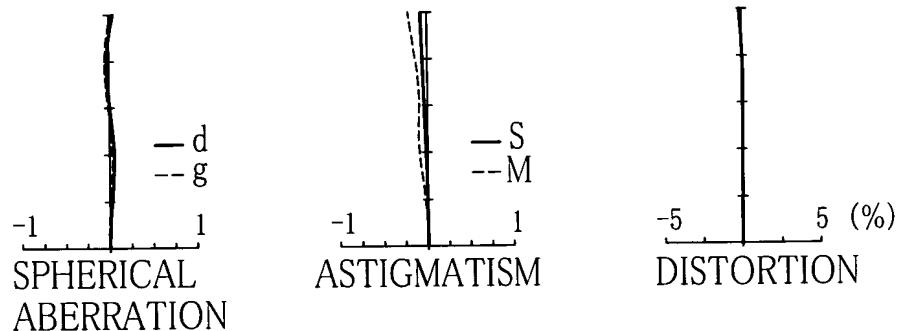


FIG. 6C

TELEPHOTO END

F7.8

$\omega = 24.3^\circ$

$\omega = 24.3^\circ$

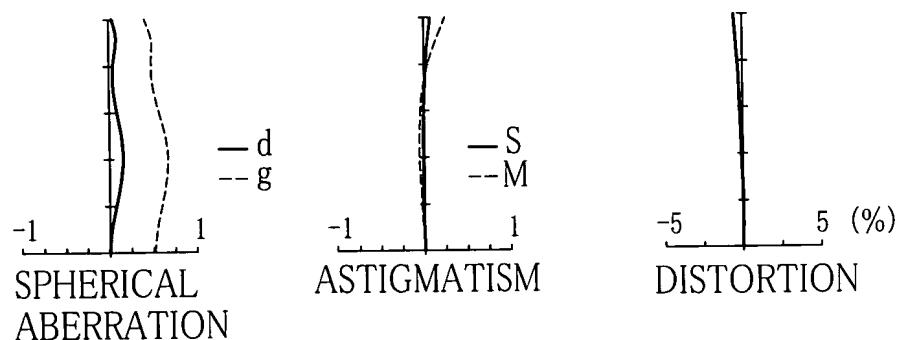


FIG. 7A

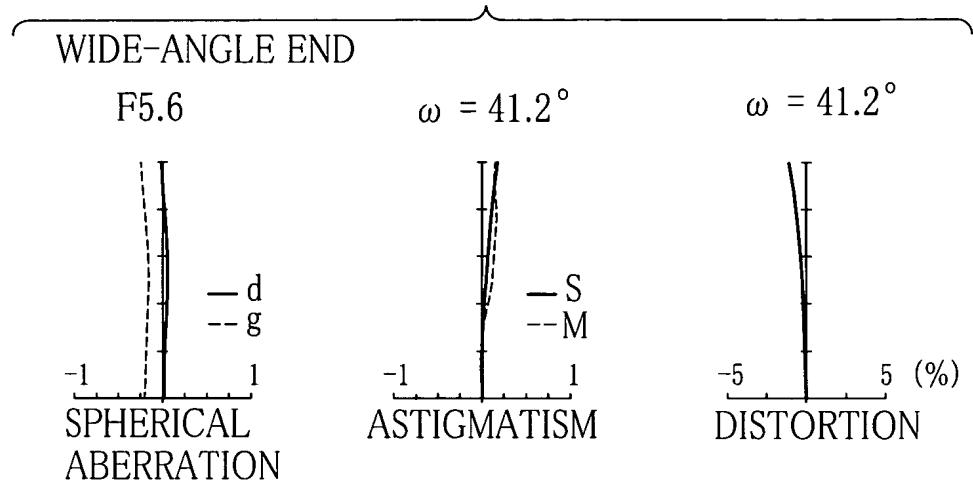


FIG. 7B

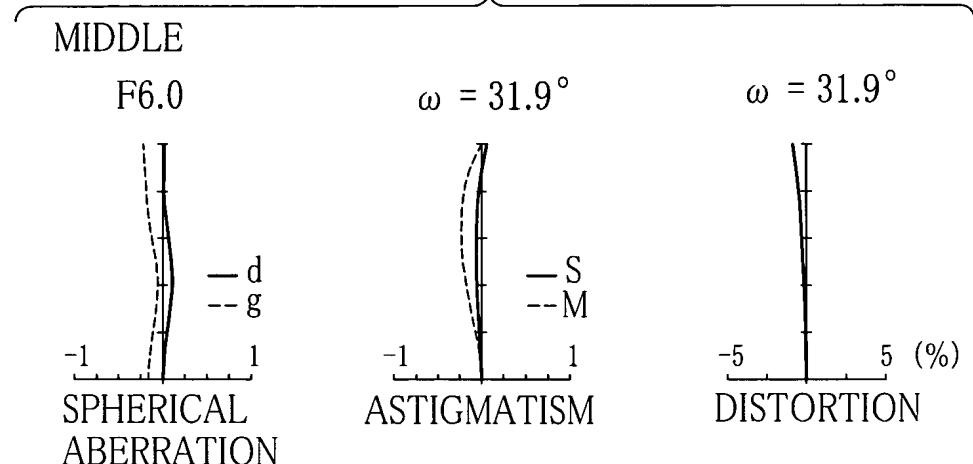


FIG. 7C

